

IN THE CLAIMS:

The following claim listing is meant to replace all previous claim listings:

- 1 to 27: (Canceled).
28. (Withdrawn) A DNA according to claim 27, wherein said polypeptide has an amino acid sequence selected from the group consisting of the amino acid sequence of Figure 9 (SEQ ID NO.: 43) and the amino acid sequence of Figure 10 (SEQ ID NO.: 47).
29. (Withdrawn) A DNA encoding a polypeptide consisting of amino acid sequence (SEQ ID NO.: 19, 20, 21, 22 Or 23) or an epitope effective portion thereof.
30. (Withdrawn) A DNA encoding a polypeptide according to claim 29, wherein said polypeptide is preceded by one or more of the amino acid sequences of (SEQ ID NOs: 2 to 18), wherein X₁ is Ser or Arg; X₂ is Glu or Asp; X₃ is Arg or Leu and X₄ is Glu or Gly.
31. (Currently Amended) A An isolated DNA according to Claim 27, encoding a polypeptide, wherein said polypeptide has an amino acid sequence consisting of the amino acid sequence of Figure 7 (SEQ ID NO: 38).
32. (Currently Amended) A An isolated DNA encoding a polypeptide comprising at least one epitope of *P. falciparum* Liver Stage Antigen (LSA), wherein said polypeptide has an amino acid sequence consisting of the first 153 amino acids of the amino acid sequence of (SEQ ID NO: 38_37), or an epitope effective portion thereof.

33. (Currently Amended) A The isolated DNA according to claim 32 31, wherein said polypeptide is preceded by one or more of the amino acid sequences of (SEQ ID NOs: 2 –18), wherein wherein X₁ is Ser or Arg; X₂ is Glu or Asp; X₃ is Arg or Leu and X₄ is Glu or Gly.
34. (Withdrawn) A DNA according to claim 32, wherein said polypeptide is followed by one or more of the amino acid sequences of (SEQ ID NOs: 2-18), wherein wherein X₁ is Ser or Arg; X₂ is Glu or Asp; X₃ is Arg or Leu and X₄ is Glu or Gly.
35. (Currently Amended) A The isolated DNA according to claim 27 31, further comprising DNA encoding at least one B epitope from a liver-stage specific protein produced by *P. falciparum*.
36. (Withdrawn) A DNA encoding a polypeptide consisting of the last 279 amino acids of the amino acid sequence of (SEQ ID NO: 45) or an epitope effective portion thereof.
37. (Currently Amended) A The isolated DNA encoding a polypeptide according to claim any one of claims 29, 32 or 34, wherein said polypeptide is linked to one or several amino acids of one or more peptides other than a *P. falciparum* Liver Stage Antigen.

Please add the following new claim:

38. (New) The isolated DNA according to claim 32, further comprising DNA encoding at least one B epitope from a liver-stage specific protein produced by *P. falciparum*.